

32-4862: Recombinant Human Secretory Leukocyte Peptidase Inhibitor

Alternative Name : Antileukoproteinase, ALK1, ALP, BLPI, HUSI, HUSI-I, MPI, WAP4, WFDC4, WAP four-disulfide core domain protein 4, Protease inhibitor WAP4, Seminal proteinase inhibitor, Mucus proteinase inhibitor.

Description

Source : Escherichia Coli. SLPI Recombinant E.coli produced in E.Coli is a single, non-glycosylated polypeptide chain containing 128 amino acids (26-132 a.a.) and having a molecular mass of 14 kDa. The SLPI is fused to a 21 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. SLPI is a secreted inhibitor which guards epithelial tissues from serine proteases. SLPI is localized in various secretions including seminal plasma, cervical mucus, and bronchial secretions, and has affinity for trypsin, leukocyte elastase, and cathepsin G. SLPI inhibitory effect contributes to the immune response by protecting epithelial surfaces from attack by endogenous proteolytic enzymes. SLPI protein has broad-spectrum anti-biotic activity. SLPI is an acid-stable proteinase inhibitor with strong affinities for trypsin, chymotrypsin, elastase, and cathepsin G. SLPI prevents elastase-mediated damage to oral and mucosal tissues.

Product Info

Amount : 10 µg
Purification : Greater than 80.0% as determined by SDS-PAGE.
Content : SLPI Human solution containing 20mM Tris-HCl pH-8.0, 2mM DTT, 0.1M NaCl & 20% glycerol.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MSGKSFKAGV CPPKSAQCL RYKKPECQSD WQCPGKKRCC
 PDTGKICLD PVDTPNPTRR KPGKCPVTYG QCLMLNPPNF CEMDGQCKRD LKCCMGMCCK SCVSPVKA.

